



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Toshio OTA et al.  
Title: FULL LENGTH cDNA CLONES  
AND PROTEINS ENCODED  
THEREBY  
Appl. No.: 10/031,589  
Filing Date: 07/01/2002  
Examiner: Jon McClelland Lockard  
Art Unit: 1647

**AMENDMENT AND REPLY UNDER 37 CFR 1.111**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This communication is responsive to the Non-Final Office Action dated September 21, 2004, concerning the above-referenced patent application. Applicants have enclosed with this amendment a Petition for Extension of Time to make this response timely.

**Amendments to the Specification** begin on page 2 of this document.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 5 of this document.

**Amendments to the Drawings** begin on page 7 of this document, and include an attached replacement drawing sheet.

**Remarks/Arguments** begin on page 8 of this document.